LaserJet Enterprise 500 color M551 Series

M551n • M551dn • M551xh

Professional color, intuitive manageability, and world-class extensibility—all for an outstanding value. Help your business prints make more of an impact—produce high-quality color marketing materials and more. Count on HP for energy-saving features.

Make your business look its best with high-performance color—without paying extra for black-only printing

- Create realistic color and crisp details that you can depend on, using HP EasyColor technology.
- Increase color accuracy with HP ImageREt 3600 and HP ColorSphere toner technology.
- Achieve low-cost, high-quality printing right out of the box. This HP LaserJet ships with a complete set of cartridges—on average, nearly two times more black toner and more than two times the color toner of leading competitors—a value of approximately $350.[12]
- Print black text affordably, using an optional high-capacity black toner cartridge.[2, 4]

Invest in a printer that's as easy to use as it is to manage

- Manage jobs directly from the printer with a four-line color display, and easily print from a flash drive.[5]
- Make printing as mobile as you are with HP ePrint.[6]
- Secure jobs via user authentication, and protect data with an HP High-Performance Secure Hard Disk.[3]
- Easily control color usage with HP Color Access Control, plus proactively manage printing environments.

Consistently update and manage printing capabilities with HP FutureSmart Firmware

- Easily update, manage and expand the capabilities of networked printers, and do more with your investment.
- Add capabilities to your HP LaserJet when you take advantage of HP Solutions Business Partner program.
- Integrate optional productivity and security solutions through the hardware integration pocket.[5, 7]
- Increase productivity—get up to 1100-sheet paper capacity for large printing jobs.[1]

Reduce energy use by 19% to 66% by setting the Auto-On/Auto-Off mode[8]

- Reduce energy with HP Auto-On/Auto-Off Technology.[8] Also save with Instant-on Technology.[10]
- Collect data, create reports and control settings, using HP EcoSMART Fleet—an extension of HP Web Jetadmin.[9]
- Save time with convenient cartridge installation, and get free, easy cartridge recycling.[11]
- Conserve resources and save paper, using automatic two-sided printing—get up to 50% paper-savings.[5]

ecoHIGHLIGHTS

HP LaserJet Enterprise 500 Color M551 Series

ECO INFORMATION

- Save energy—HP Auto-On/Auto-Off Technology turns your printer on when you need it, Off when you don't.[1]
- Reduce energy use with Instant-on Technology.[2]
- Free, convenient cartridge recycling in 53 countries.

ENERGY STAR® Qualified Product

[1]HP Auto-On and Auto-Off capabilities subject to printer and settings.
[2]Compared with products that use traditional fusing.

www.hp.com/ecosolutions
Please recycle your computing hardware and printing supplies.
HP asset management and recycling services
make responsible disposal easy.

[1]The 1 x 500 sheet feeder may be purchased separately for the HP LaserJet Enterprise 500 Series Printers. [2]The HP 507X Black LaserJet Toner Cartridge not included; please purchase separately. [3]The HP High-Performance Secure Hard Disk available only on the HP LaserJet Enterprise 500 color M551xh printer. [4]Compared with HP LaserJet Enterprise P3015 series. Assuming customer is printing at least 30% of total pages in color with content similar to the color ISO/IEC 19798 test suite (http://www.iso.org/jtc1/sc28) and overall average job length of three pages. Yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors. [5]Automatic two-sided printing, walk-up USB and hardware integration pocket available only on the HP LaserJet Enterprise 500 color M551dn printer and on the HP LaserJet Enterprise 500 color M551xh printer. [6]Requires an Internet connection to the printer. Feature works with any Internet- and e-mail-capable device. Print times may vary. For a list of supported documents and image types, see http://www.hp.com/go/eprintcenter. Some HP LaserJet products will require a firmware upgrade. [7]Solutions deployed through the hardware integration pocket may require additional purchase. [8]Energy saving based on internal HP testing of Auto-On/Auto-Off setting compared to default setting. Minimum savings based on a 45-minute sleep delay. Maximum savings based on a 1-minute sleep delay. Actual results may vary. [9]HP Web Jetadmin is free and can be downloaded at http://www.hp.com/go/webjetadmin. HP EcoSMART Fleet must be purchased separately. [10]Compared with products that use traditional fusing. [11]Program availability varies. HP print cartridge return and recycling is currently available in more than 50 countries and territories around the world through the HP Planet Partners program. For more information, or to request return envelopes and bulk collection boxes, visit http://www.hp.com/recycle. [12]Calculated value of black and color toner that ships with the printer and the majority of top competitive printers by market share based on estimated U.S. retail price of standard replacement toner cartridges reported by Gap Intelligence as of 08/01/11.

HP LaserJet Enterprise 500 color M551 Series

1 Hardware Integration Pocket for solution integration

2 Walk-up USB port

3 4-line graphical color display

4 Front door allows convenient access to four, all-in-one HP toner cartridges

5 Built-in automatic two-sided printing

6 100-sheet multipurpose tray 1 handles heavy custom media up to 58 lb bond

7 On/Off button

8 Two 500-sheet input trays for a 1,100-sheet total input capacity

9 USB port for a third-party device

10 Slot for a cable-type security lock

11 Hi-Speed USB 2.0 printing port

12 HP Jetdirect Gigabit Ethernet embedded print server

13 1024 MB total memory and an 800 MHz processor quickly handle complex print jobs

14 Embedded HP High Performance Secure Hard Disk

15 Two internal host USB 2.0-type ports for 3rd party solutions

HP LaserJet Enterprise 500 color M551xh printer shown

Series at a glance

M551n

M551dn

M551xh

	M551n	M551dn	M551xh
Part number	CF081A	CF082A	CF083A
100-sheet multipurpose tray 1	√	√	√
500 sheet input tray 2	√	√	√
500 sheet input tray 3	Optional	Optional	√
Automatic two-sided printing	NA	√	√
HP High Performance Secure Hard Disk	NA	NA	√
Hardware Integration Pocket	NA	√	√
Walk-up USB port	NA	√	√
ENERGY STAR® qualified	NA	√	√

Top Features

The HP LaserJet Enterprise 500 color M551 printer series gives productivity a boost with the power of color. The printer's top features are highlighted below. For a more in-depth look at these features and their benefits, see the pages that follow.

Business-boosting color

HP EasyColor technology detects document content and automatically adjusts color rendering to optimize photos and streamline printing.

HP ImageREt 3600 and HP ColorSphere combine to produce consistent, professional results with crisp, glossy text and lifelike images.

A complete set of Original HP toner cartridges comes pre-installed, delivering superior results out of the box.[1]

The optional high-capacity black toner cartridge can save you time and money.[2]

Market-leading manageability

HP Web Jetadmin and the HP Universal Print Driver enable your administrators to centrally manage large imaging and printing fleets composed of both HP and non-HP devices.

HP Color Access Control lets you curb the costs of color.

Let HP ePrint revolutionize the way you think about printing.[3] Print from your smartphone to any registered printer on your network with a few clicks.[4]

User authentication and the HP High Performance Secure Hard Disk keep your sensitive documents private.

Inventive expandability

HP FutureSmart firmware can extend the value of your investments by making it possible to run new solutions on existing hardware while saving your IT workforce time and effort.

HP Solutions Business Partners offers HP certified solutions to improve productivity by meeting your unique business needs.

Attach security solutions to the control panel's hardware integration pocket for a seamless appearance.

The 1,100-sheet paper capacity can reduce intervention and hassle.[5]

Outstanding energy and paper savings

HP Auto-On/Auto-Off technology can save significant energy costs with one simple function.[6]

HP EcoSMART Fleet lets you monitor and manage your energy usage across the printing fleet.

Easy cartridge installation and free cartridge recycling takes the worry out of supplies management.

Automatic two-sided printing can save you up to 50% on your paper usage.[5]

Get the most out of your printer with HP accessories, supplies, and services.

500-sheet Paper Tray

Improve productivity with impressive paper capacity, using this workhorse color laser printer. Get up to 1100-sheet capacity to save time and complete large print jobs without reloading. Gain media flexibility while decreasing time spent loading paper.

CF084A

HP Services

Downtime can have serious consequences, so HP provides support beyond the standard warranty. You benefit from reduced risk, maximized uptime, predictable service delivery and no unbudgeted repair costs. Choose from:

Optimized Care (optimum performance and stability):
4 hour Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Standard Care (high level of uptime)
Next Business Day Onsite Support, Maintenance Kit Replacement Service, Installation with Network Configuration Service

Basic Care (minimum recommended support
Next Business Day Onsite Support

4 hr Onsite Support: Onsite support within four hours after a service call received within the coverage window

Next Business Day Onsite Support: Onsite service the next business day after the service call is received

Maintenance Kit Replacement Service: Onsite replacement of your printer's maintenance kit including parts, materials, and labor

Installation with Network Configuration Service: Assembly, network configuration, and basic administrator familiarization
For more information about HP Care Pack, HP Contractual, or HP Managed Print Services, visit **www.hp.com/go/printservices**.

Printers

HP LaserJet Enterprise 500 color M551n	CF081A
HP LaserJet Enterprise 500 color M551dn	CF082A
HP LaserJet Enterprise 500 color M551xh	CF083A

HP LaserJet Print Cartridges[7]

HP 507A Black LaserJet Toner Cartridge (~ 5,500 ISO yield)	CE400A
HP 507X Black LaserJet Toner Cartridge (~ 11,000 ISO yield)	CE400X
HP 507A Cyan LaserJet Toner Cartridge (~ 6,000 ISO yield)	CE401A
HP 507A Yellow LaserJet Toner Cartridge (~ 6,000 ISO yield)	CE402A
HP 507A Magenta LaserJet Toner Cartridge (~ 6,000 ISO yield)	CE403A

Accessories

HP Color LaserJet 500-sheet Paper and Heavy Media Tray	CF084A
110-volt Fuser Kit	CE484A
220-volt Fuser Kit	CE506A
Toner Collection Unit	CE254A

HP Care Pack Services

HP 3-year Next Business Day + DMR Color LaserJet M551 HW Support	HZ626E
HP 4-year Next Business Day + DMR Color LaserJet M551 HW Support	HZ629E
HP 5-year Next Business Day + DMR Color LaserJet M551 HW Support	HZ630E
HP 1-year PW Next Business Day + DMR Color LaserJet M551 Support	HZ631PE
HP 2-year PW Next Business Day Color LaserJet M551 HW Support	HZ635PE
HP Network Install mid-high Color LaserJet SVC	H2872E

Connectivity

HP Jetdirect ew2500 Wireless Print Server	J8021A
HP Jetdirect 2700w USB Wireless Print Server (available early 2012)	J8026A

Paper: **www.hp.com/go/paper**

Software

HP Web Jetadmin: **www.hp.com/go/wja**
HP Easy Printer Care: **www.hp.com/go/easyprintercare**
HP Universal Print Driver: **www.hp.com/go/upd**
HP Install Network Printer Wizard: **www.hp.com/go/inpw_sw**

[1]Using genuine HP supplies ensures availability of all HP printing features. [2]The HP 507X Black LaserJet toner cartridge not included; please purchase separately. [3]Requires an Internet connection to the printer. Feature works with any Internet- and email-capable device. Print times may vary. For a list of supported documents and image types, see **www.hp.com/go/eprintcenter**. Some HP LaserJet products will require a firmware upgrade. [4]May require a firmware upgrade. Mobile device must be wireless-enabled, which requires an optional accessory card, available late 2011. Printer must be HP ePrint-enabled. Feature may require driver or apps, available for download at **www.hp.com/go/eprintcenter**. [5]Standard and optional features vary by model. Please see "Series at a glance" on page Error! Bookmark not defined. for more information. [6]HP Auto-On/Auto-Off capabilities subject to printer and settings. Compares energy consumption of HP LaserJets with HP Auto-Off Technology to top competing models based on market share as of September 2010. Energy consumption based on HP internal testing using the ENERGY STAR® program's Typical Electricity Consumption (TEC) method or TEC value found at **www.energystar.gov** or **www.eu-energystar.org** using greatest TEC value reported. Actual power usage may vary. [7]Declared yield value in accordance with ISO/IEC 19798. Actual yields vary considerably based on images printed and other factors. For more information, visit **http://www.hp.com/go/learnaboutsupplies**

HP LaserJet Enterprise 500 color M551 Series

Technical specifications	HP LaserJet Enterprise 500 color M551n (CF081A)	HP LaserJet Enterprise 500 color M551dn (CF082A)	HP LaserJet Enterprise 500 color M551xh (CF083A)
Print Speed[1]	**Color and Black:** Up to 33 ppm letter (up to 32 ppm A4)		
First Page Out[2]	**Color and Black (A4, ready):** As fast as 11 sec		
HP ePrint Capability	Yes		
Mobile Printing Capability	Apple AirPrint™		
Print Resolution	**Black (best):** Up to 1200 x 1200 dpi; **Black (normal):** Up to 600 x 600 dpi; **Color (best):** Up to 1200 x 1200 dpi		
Print Technology	Laser		
Control Panel	4-line graphical color display, 3 lights (Attention, Data, Ready), 7 buttons (Help, Menu, OK, Stop, Back, Down, Up)		
Processor	**Type:** ARM Cortex-A8; **Speed:** 800 MHz		
Memory	1 GB (1024 MB)		
Hard Disk	NA		Standard, 250 GB minimum (AES 128 encryption)
Display	4-line LCD (color graphics)		
Durability Ratings	**Duty cycle**[3]**:** Up to 75,000 pages (A4/letter); **Recommended monthly page volume**[4]**:** 1,500 to 5,000 pages		
Paper			
Input	100-sheet multipurpose tray, 500-sheet input tray 2		100-sheet multipurpose tray, 500-sheet input tray 2, 500-sheet heavy media input tray 3
Output	250-sheet output bin		
Duplex Print Options	Manual (driver support provided)	Automatic (standard)	
Media Types	Paper (plain, light, bond, recycled, mid-weight, heavy, mid-weight glossy, heavy glossy, extra heavy, extra heavy glossy, cardstock, card glossy) color transparency, labels, letterhead, envelope, preprinted, prepunched, colored, rough, opaque film, user-defined		
Media Sizes	**Tray 1:** 3 x 5 to 8.5 x 14 in; Tray 2: 4.0 x 5.85 to 8.5 x 11.69 in		**Tray 1:** 3 x 5 to 8.5 x 14 in; Tray 2: 4.0 x 5.85 to 8.5 x 11.69 in; Tray 3: 5.85 x 8.5 to 8.27 x 14 in
Media Weight	**Tray 1:** 16 to 58 lb (plain); 28 to 58 lb (glossy); **Tray 2:** 16 to 43 lb (plain paper); 28 to 58 lb (glossy paper)		**Tray 1:** 16 to 58 lb (plain); 28 to 58 lb (glossy); **Tray 2:** 16 to 43 lb (plain paper); 28 to 58 lb (glossy paper); **Tray 3:** 16 to 47 lb (plain paper); 28 to 58 lb (glossy paper)
Interfaces	1 Hi-Speed USB 2.0 Host port; 1 Hi-Speed USB 2.0 Device port; 1 Gigabit Ethernet 10/100/1000Base-TX network port; 2 internal USB Host ports	2 Hi-Speed USB 2.0 Host ports; 1 Hi-Speed USB 2.0 Device port; 1 Gigabit Ethernet 10/100/1000Base-TX network port; 1 Hardware Integration Pocket; 2 internal USB Host ports	
Languages	HP PCL 6, HP PCL 5c (HP PCL 5c driver available from the Web only), HP postscript level 3 emulation, native PDF printing (v 1.4)		
Network Capabilities	Via HP Jetdirect 10/100/1000Base-TX Ethernet embedded print server (standard); 802.3az (EEE); IPsec (standard), 802.11b/g/n wireless networking (optional)		
Fonts	105 internal TrueType fonts scalable in HP PCL, 92 internal scalable fonts in HP postscript Level 3 emulation (Euro symbol built-in); 1 internal Unicode Fonts (Andale Mono WorldType); 2 Internal Windows Vista 8 Fonts (Calibri, Cambria); additional font solutions available via third-party flash memory cards; HP LaserJet Fonts and IPDS Emulation available at http://www.hp.com/go/laserjetfonts		
Network Protocols	IPv4/IPv6: Apple Bonjour Compatible (Mac OS 10.2.4 or higher), SNMPv1/v2c/v3, HTTP, HTTPS, FTP, TFTP, Port 9100, LPD, WS Discovery, IPP, Secure-IPP, IPsec/Firewall; IPv6: DHCPv6, MLDv1, ICMPv6; IPv4: Auto-IP, SLP, Telnet, IGMPv2, BOOTP/DHCP, WINS, IP Direct Mode, WS Print; Other: NetWare NDS, Bindery, NDPS, ePrint		
Security	Management security: SNMPv3, SSL/TLS, 802.1X authentication (EAP- PEAP, EAP-TLS), IPP over TLS, IPsec/Firewall with Certificate, Pre-Shared Key Authentication, and Kerberos Authentication; Support for WJA-10 IPsec Configuration using IPsec Plug-in		
Dimensions (w x d x h)	20.2 x 19.3 x 15.2 in (514 x 491 x 385 mm)	20.2 x 19.3 x 15.8 in (514 x 491 x 402 mm)	20.2 x 19.3 x 22.2 in (514 x 491 x 565 mm)
Weight (with print cartridges)	74.8 lb (34 kg)	76.12 lb (34.6 kg)	92.84 lb (42.2 kg)
System Requirements	**PC:** Microsoft® Windows® 7, Windows Vista®, Windows XP® (SP2 or higher), Windows® Server 2003 (SP1 or higher), Windows® Server 2008, Windows® Server 2008 R2; 200 MB available hard disk space; operating system compatible hardware system requirements, see http://www.microsoft.com **Mac:** Mac OS X v10.5, 10.6; 150 MB available hard disk space; operating system compatible hardware system requirements, see: http://www.apple.com		
What's in the Box[5]	Printer, four preinstalled HP LaserJet toner cartridges (yield ~5500 pages black and ~6000 pages color), toner collection unit, in-box documentation (Getting Started Guide), software drivers and documentation on CD-ROM, power cable, HP Jetdirect Gigabit Ethernet embedded print server, 100-sheet multipurpose tray 1, 500-sheet input tray 2 **M551dn:** As above plus built-in automatic two-sided printing **M551xh:** As above plus 500-sheet heavy media input tray 3, built-in automatic two-sided printing, HP Secure High Performance Hard Disk (AES 128 encryption)		
Warranty	One-year next day on-site limited warranty		

Environmental ranges

Temperature range	Operating: 10 to 30º C (50 to 81º F) Recommended: 15 to 27º C (59 to 80.6º F) Storage: 0 to 35º C (32 to 95º F)
Humidity range	Operating: 10 to 70% RH Recommended: 20 to 60% RH Non-operating: 10 to 90% RH

Acoustic[6]

Sound power emissions	Active, Print: 6.6 B(A), Idle/Ready: 4.4 B(A)
Sound pressure (bystander position)	Active, Print: 52 dB(A), Idle/Ready: 30 dB(A)

Power

Power Supply required	Input voltage: 115 to 127 VAC (+/- 10%), 60 Hz (+/- 2 Hz), 12 A; 220 to 240 VAC (+/- 10%), 50 Hz (+/- 2 Hz), 6 A
Power Consumption[7]	605 watts (printing), 51 watts (ready), 6.9 watts (sleep), 0.3 watts (off)
Typical Electricity Consumption (TEC)	4.053 kWh/Week
Safety approvals and requirements	IEC 60950-1 (International); EN 60950-1 +A11 (EU); IEC 60825-1; UL/cUL Listed (US/Canada); GS License (Europe); EN 60825-1 (Class 1 Laser/LED Device); Low Voltage Directive 2006/95/EC with CE Marking (Europe); other safety approvals as required by individual countries
Electromagnetic emission standard	CISPR 22: 2005 +A1/EN 55022: 2006 +A1 Class B, EN 61000-3-2: 2006, EN 61000-3-3:2008, EN 55024: 1998 +A1+A2, FCC Title 47 CFR, Part 15 Class B (USA), ICES-003, Issue 4, (Canada), GB9254-2008, EMC Directive 2004/108/EC with CE Marking (Europe), other EMC approvals as required by individual countries

[1]Measured using ISO/IEC 24734, excludes first set of test documents. For more information, see http://www.hp.com/go/printerclaims. Exact speed varies depending on the system configuration, software application, driver, and document complexity. [2]Exact speed varies depending on the system configuration, software application, driver and document complexity. [3]Duty cycle is defined as the maximum number of pages per month of imaged output. This value provides a comparison of product robustness in relation to other HP LaserJet or HP Color LaserJet devices, and enables appropriate deployment of printers and MFPs to satisfy the demands of connected individuals or groups. [4]HP recommends that the number of printed pages per month be within the stated range for optimum device performance, based on factors including supplies replacement intervals and device life over an extended warranty period. [5]Toner cartridge yields established using ISO/IEC test standards. Actual yields and costs vary considerably depending on images printed, number of color pages printed, and other factors. [6]Configuration tested: HP LaserJet Enterprise 500 color M551dn bundle tested simplex printing, A4 paper at an average of 32 ppm. [7]Power requirements are based on the country/region where the printer is sold. Do not convert operating voltages; this will damage the printer and void the product warranty. Power consumption in Auto-Off mode depends on customer network switch capability, user configuration and network activity. Off-mode power may vary while checking network packets for print jobs.

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